

**Amendments to the Specification:**

Please delete the Abstract section and replace with the following paragraph:

A plant growth system consisting of a vertically positioned source of light, a reservoir, a pump, a volume of liquid based nutrient composition, a plurality of independent growing chambers arranged in a planar array around the light, with each chamber comprising a container with a base and sides, an inflow/outflow gate accommodated in the base of the container, a height adjustable overflow gate accommodated within the container, and drainage plumbing connecting the container and reservoir. Each of the chambers accommodates one or more plants and when the pump is activated, it transports the nutrient composition from the reservoir through the inflow/outflow gate into the growing chambers. When one of the growing chambers becomes flooded to the level of the overflow gate, overflowing nutrient composition is returned to the reservoir via the drainage plumbing. When the pump is deactivated, any remaining nutrient is returned to the reservoir via the inflow/outflow gates.